

Funding Round	Marine and Nearshore LO Six-Year Table -- 6/19/2013		Action Agenda Strategies, NTAs Supported	2020 Targets Supported						Implementing Organization	Expected Outputs	Expected Outcomes	Estimated Timeframe	Co-op agreement PC-00J29801-0			New agreement			
	Project Name (Organized by Investment Area)	Description		Eelgrass	Eelgrass	Shoreline	Coastal Fish	Marine	Wild Chinook					Ducks	Pacific Herring	FFY 10-11 (Rounds 1&2)	FFY12 (Round 3)	FFY13 (Round 4)	FFY14 (Round 5)	FFY16 (Round 6)
	A. Adaptive Management													\$ 638,940	\$ -	\$ -	\$ 376,000	\$ 1,050,000		
1 & 2	Adaptive Management Advisor	Direct Award to USFWS to integrate AM into the Grant Program at the project level, suite of investments level, and the Puget Sound recovery level.									USFWS	Adaptive management strategies that inform investments and long-term implementation plan for NEP Funds.	More effective use of NEP funding and better adaptive management coordination across and amongst Grant Program projects	7/11-5/12	\$ 85,357					
1 & 2	Quantifying Impacts of Shoreline Armoring	A study to quantify the impacts of shoreline armoring on nearshore processes and species. This project will include the Swinomish Tribe and UW researchers. The information will fill a critical knowledge gap identified by Puget Sound resource managers and researchers.	B1.1	X	X	X		X	X	X	Skagit River System Cooperative	An increased and quantified understanding of the impacts of shoreline armoring on nearshore species, habitats and processes.	Improved protection, and restoration, of beach processes impacted by shoreline armoring. This project will allow regulators and restoration practitioners to better focus regulation and recovery efforts on crucial beach habitats and processes.	6/12-10/14	\$ 353,583					
1 & 2	Support Marine Elements of Integrated Risk Assessment	Support the marine elements of the Integrated Risk Assessment. Puget Sound Partnership will conduct a risk assessment comparing the relative threats to Puget Sound. The marine habitat threats assessment will inform future strategic investments, including invasive species, oil spills, and physical habitat issues, such as derelict gear.	B1.1, B3.1, B3.2								Puget Sound Partnership (PSP)	Report detailing relative threats and pressures on marine and nearshore habitat and species in Puget Sound.	Targeted focus on the highest priority threats to the Puget Sound marine and nearshore environments, by both the Grant Program and others working to recover Puget Sound	6/13-3/14	\$ 200,000					
5	Analyze and Disseminate Grant Program Results	Connect previously funded projects and their results with audiences such as implementers, state and federal policymakers, PSP staff, regional scientists, and others. It will analyze the results of the Grant Program to identify how they can support recovery efforts, and disseminate the results throughout the Puget Sound region. This is critically important for future funding of Puget Sound recovery, for ensuring continued contribution of this work beyond the life of the Lead Organization to the marine and nearshore recovery efforts, and for demonstrating the success of the Grant Program's investments.	D3.2, D5.2, D5.4								Puget Sound Institute	Analysis and synthesis of project results, targeted communication, outreach, messaging, training, expert panels, forums, and more, and incorporation of project results into the Encyclopedia of Puget Sound.	Project results will benefit marine and nearshore habitat species, result in more effective, collaborative, and efficient efforts towards Puget Sound recovery, and increased public support and potential funding for Puget Sound recovery.	Sept 2014-Sept 2016				\$ 250,000		
5	Monitor Armor Removal Projects	Emerging science has pointed to the ecologically damaging effects of shoreline armoring, yet there remains a need to quantify the effects of armoring removal. This project will establish pre- and post-armoring removal data at select sites where armoring currently exists but is scheduled for removal. This data will greatly contribute to the state of science on the effects of shoreline armoring, as well as support evidence-based approaches for armoring removal and soft shore techniques. In addition, this project has the potential to contribute to Puget Sound recovery targets by demonstrating the relationships of these targets, such as salmon and eelgrass, to shoreline armoring.	B1.1, B2.2, D4.2			X					TBD	Increased understanding of the effects of shoreline armoring, and how armoring relates to Puget Sound recovery targets.	Increased support for evidence-based approaches to armoring removal, greater support for armoring alternatives throughout Puget Sound.	Sept 2014-Sept 2016				\$ 126,000		
6	Monitor Armor Removal Projects	Emerging science has pointed to the ecologically damaging effects of shoreline armoring, yet there remains a need to quantify the effects of armoring removal. This project will establish pre- and post-armoring removal data at select sites where armoring currently exists but is scheduled for removal. This data will greatly contribute to the state of science on the effects of shoreline armoring, as well as support evidence-based approaches for armoring removal and soft shore techniques. In addition, this project has the potential to contribute to Puget Sound recovery targets by demonstrating the relationships of these targets, such as salmon and eelgrass, to shoreline armoring.	B1.1, B2.2, D4.2			X					TBD	Increased understanding of the effects of shoreline armoring, and how armoring relates to Puget Sound recovery targets.	Increased support for evidence-based approaches to armoring removal, greater support for armoring alternatives throughout Puget Sound.	Sept 2015-Sept 2017				\$ 100,000		
6	Monitor Eelgrass Restoration in Puget Sound	This project provides additional funding for ongoing monitoring of eelgrass restoration sites funded in round 5.	B1.1, B2.1, B2.2, B2.4, B3.1, B3.2	X	X				X	X	Washington Department of Natural Resources (WADNR)	Through ongoing monitoring, this project will significantly contribute to the state of science on eelgrass restoration in Puget Sound.	More effective future eelgrass restoration efforts that will lead to a net increase in eelgrass acreage in Puget Sound providing important habitat for a number of species.	Sept 2015-Sept 2017					\$ 50,000	
6	Communicate and Disseminate Grant Program Results	Based on the communications strategies from round 5, continue to disseminate program results and institutionalize success.	D3.2, D5.2, D5.4								TBD	Continued investment in communicating and disseminating program results.	Increased trust, action, support, and credibility in the investments made to implement the Action Agenda.	Sept 2015-Sept 2017					\$ 200,000	
6	Proliferate Program Models and Approaches	Previous investments in projects across investment categories, from effective regulation and stewardship to high priority threats, have contributed to the region's efforts to address the greatest threats to marine and nearshore habitat. With FFY14 funds, the Lead Organization will invest in an analysis of the outcomes of earlier investments and their connections to Puget Sound recovery. Based on past results, select multiple successful program models and approaches to proliferate.	D3.2, D5.2, D5.4								TBD	Successful techniques and strategies institutionalized at the local and regional levels.	Enhanced overall health of Puget Sound through restored and protected ecosystem functions.	Sept 2015-Sept 2017					\$ 700,000	
	B. Effective Regulation and Stewardship													\$ 3,097,079	\$ 800,000	\$ 1,500,000	\$ 100,000	\$ 975,800		
1 & 2	Support Public Awareness, Outreach and Engagement on SMP Updates	The Puget Sound Partnership will increase public awareness and understanding that Puget Sound is threatened, as well as the significance and potential impacts of shoreline management. Friends of the San Juans will develop Shoreline Master Program (SMP) update information and maps, WSU Extension-Mason County will conduct outreach and education on the importance of shorelines and the SMP update.	B1.2 NTA 1								Puget Sound Partnership (PSP)	Plans and strategies informed by focus groups and other research, outreach and education materials, trainings, lectures, and other educational opportunities for the public and others	Increased awareness about the importance of recovering Puget Sound and the significance of shoreline management, resulting in more protective SMPs	12/11-12/13	\$ 49,500					
1 & 2	Increase Eelgrass by 20% by 2020	This project will locate sites in Puget Sound and the Strait of Juan de Fuca suitable for eelgrass restoration, identifying sites that would be conserved from future anthropogenic disturbances and are resilient to climate change. Habitat suitability ratings and hydrodynamic and water properties models will be developed. Local, regional, and tribal shoreline planners and regulators and research scientists will help determine where regulations are not effectively reducing stress to eelgrass; and provide recommendations on restoring and protecting resilient eelgrass meadows.	B2.1, B2.4	X	X				X	X	Washington Department of Natural Resources (WADNR)	This project will create a model to determine suitable eelgrass restoration sites and help to identify anthropogenic obstacles to eelgrass restoration and protection.	More effective future eelgrass restoration efforts that will lead to a net increase in eelgrass acreage in Puget Sound providing important habitat for a number of species.	5/12-6-14	\$ 506,403					
1 & 2	Protecting the Strait of Juan de Fuca Nearshore with Improved Tools	This project will provide new data and improved tools to support Clallam County's SMP amendments. New bluff erosion rates will help to delineate hazardous areas and justify SMP measures. Through quantifying the economic values of ecosystem services and sharing the results with stakeholders, the project will enhance understanding of the regulatory framework needed to accomplish shared goals for the nearshore ecosystem and reduce long-standing barriers to its protection.	B1.2 STRT 4		X	X			X		Coastal Watershed Institute	Outputs include highly detailed erosion rates for shoreline bluffs, ecosystem services valuation and increased public awareness of shoreline issues.	Better justification for restricting land use in eroding shoreline areas, increasing public safety and protection of sediment transport processes. Better public understanding of the value of nearshore ecosystem services.	4/12-1/14	\$ 320,178					
1 & 2	Marine Shoreline Monitoring and Compliance Pilot Project	King County will survey 90 miles of marine shoreline in Watershed Resource Inventory Area (WRIA) 9 to collect shoreline use data that will be cross-checked with baseline data. Any new, unpermitted, anthropogenic shoreline modifications will be addressed to ensure compliance with existing regulations.	B1.1, B1.3			X					King County	Surveys of shoreline modifications to provide data that can be cross-checked with existing shoreline permitting data. Reports on noncompliance made to appropriate regulatory programs.	Improved enforcement of shoreline regulations leading to improved protection of habitat and processes in the nearshore.	6/12-1/14	\$ 43,703					
1 & 2	Puget Sound Shoreline Master Program Improvement	This project will work with counties, cities, and state agencies to provide technical assistance and outreach on shoreline master program implementation and SMP updates (where appropriate). The goals are to ensure protection of shoreline ecosystems and water quality, and to encourage effective and efficient permitting.	B1.2 NTA 1	X	X	X					Futurewise	Outreach to both local governments and the public on the SMP update and implementation process.	Increased public involvement in the SMP update process. Better implementation of updated SMPs, more effectively utilizing the protective measures included in the updated SMPs.	7/12-3/14	\$ 218,000					
1 & 2	Protecting Ecosystem Functions with Sea level Rise & Cumulative Effects Management Tools	The goals of this project are to achieve long-term protection of nearshore ecosystems by creating new technical tools and adaptive management strategies to address cumulative impacts and sea level rise, provide policy reform recommendations, and encourage improvements to conservation policies at the local and regional level.	B1.2 NTA 1			X					Friends of the San Juans	Analysis of existing regulations, shoreline erosion models, analysis of cumulative impacts of armoring, tidal spanning elevation study, management recommendations, outreach and dissemination of results	Long-term management strategies address cumulative effects and sea level rise, and ultimately better protect shorelines and improve habitat	3/12-1/14	\$ 150,000					
1 & 2	Targeted Outreach to Reduce Impacts from Shore-hardening in Port Susan Marine Stewardship Area	This project aims to prevent increased ecosystem impacts from hardening of the marine shoreline. Activities include conducting outreach to county planners and coastal landowners, including a professional development workshop for County planning staff, a workshop for coastal landowners, development of educational materials, and professional consultations for coastal landowners on alternative shoreline erosion control.	B2.3	X	X	X			X		Northwest Straits Foundation (NWSF)	Outreach to county planners to provide professional development. Land owner outreach to provide alternative options to shoreline armoring	Increased proficiency of county staff that will lead to better regulation and local decision making. Landowners will opt to employ less impactful shoreline protection measures. This will lead to fewer bulkheads and more soft-armor shoreline protection that will maintain and/or restore habitat, function and processes	3/12-1/14	\$ 99,830					
1 & 2	Shoreline Permitting Effectiveness through TACT	Kitap County, Island County and WDFW will implement a trouble shooting, action planning, course correction and tracking and monitoring (TACT) approach to reviewing and renovating shoreline permitting systems. The goal is to increase the use and efficacy of ecological protection provisions in shoreline permitting programs.	B1.1, B1.2, B1.3	X	X	X			X		Kitap County	Shoreline permitting compliance and impacts inventory, permit review assessment, staff training program, shoreline landowner curriculum and training, tracking and monitoring for permit programs, outreach materials	Improved shoreline protection through more effective permitting processes, ultimately leading to improved shoreline function and habitat	6/12-10/14	\$ 250,000					
1 & 2	Protecting Nearshore and Marine Habitat in Mason County	Mason County will improve implementation and compliance with the County's Resource Ordinance (RO) regarding shoreline development practices. A Resource Ordinance Working Group will convene to develop recommendations and success targets, and provide tools to train County staff in GIS and permitting plan review and inspection. An outreach program will educate shoreline property owners and help them comply with regulations.	B1.1, B1.2, B1.3	X	X	X					Mason County	Assessment of barriers to effective permitting, staff training, public outreach, enforcement officer to identify shoreline modification violations,	Increased public awareness of permitting process, increased permit compliance. Increase in the use of soft shore armoring techniques, reductions in hard armoring, reduced impacts to nearshore habitats and functions	6/12-3/14	\$ 245,000					
1 & 2	Ensuring Regulatory Effectiveness in Puget Sound's Aquatic Reserves	This project will provide education about aquatic reserves and develop and train Citizen Stewards for aquatic reserves. Citizen Stewardship Committees will prioritize work based on the adopted management plans for each reserve and will conduct technical protection policy work, citizen science and outreach/education activities.	B3.1								Washington Environmental Council	Recruit volunteers and provide training. Perform outreach and education, citizen science projects and provide technical assistance to agencies involved with Aquatic Reserves	Agencies will have an increased awareness of citizen roles. Also, this project will lead to better involvement in and protection of Marine Aquatic Reserves	3/12-1/14	\$ 300,000					
1 & 2	Mapping Feeder Bluffs in Puget Sound	The primary outputs of this project are sound-wide data on the location of feeder bluffs and guidance on the significance and use of this information. Secondary outputs include coordination and engagement with other organizations, supporting interest and projects by advisory group members, and increased capacity at Ecology to provide coordination and guidance on these issues.	B1.1			X	X				Washington Dept. of Ecology (ECY)	Detailed maps of all of Puget Sound's shoreline feeder bluffs	Better understanding of where Puget Sound's feeder bluffs are so that they can be better protected and restored, which will lead to improved beach system processes and habitat	9/11-9/13	\$ 355,500					
1 & 2	Marine Shoreline Design Guidelines	Through the Aquatic Habitat Guidelines Work Group, this project will compile a set of best practices and determine which "soft" shoreline techniques are an appropriate alternative to hard armoring in certain environments.	B1.1, B1.3, B2.3	X	X	X			X		WDFW	Guidance on the use of soft shore armoring techniques along Puget Sound shorelines	A reduction in the use of hard armoring across Puget Sound, which ultimately leads to restored ecosystem processes and habitat	11/11-1/14	\$ 558,965					
3	1.A: Assess and Report on Improving Compliance and Enforcement of Shoreline Regulations	Analysis of permit compliance data, literature review of effective regulatory program implementation, interviews with local governments, and development of recommended strategies to improve compliance and enforcement across Puget Sound	B1.1, B1.3	X		X					WDFW	Produce a better understanding of the issues surrounding non-compliance with development regulations	Better regulatory program implementation and streamlined processes, increasing compliance with development regulations, providing better protection for shorelines.	7/13-12/13		\$ 100,000				
3	1. B: Pilot Projects on Effective Compliance and Enforcement Strategies	Either through direct awards or a RFP, implement compliance and enforcement pilot projects that rely on the recommendations of project 1A, as well as the early successful outcomes of other Grant Program investments in effective regulation and stewardship.	B1.1, B1.2, B1.3								Local Governments or other parties that emerge as appropriate implementers	Multiple pilot projects that test and demonstrate effective compliance and enforcement strategies	Effective strategies are transferred to other jurisdictions; improved protection of Puget Sound habitat and species from pressures of development	Fall 2014 to mid 2016		\$ 600,000				
3	Develop Incentive Toolkit on Shoreline Armoring Alternatives*	Determine effective incentive options for voluntary armor removal on private property, forging armoring, or the use of softer shoreline armoring techniques—where armoring is necessary. This project will culminate in a web-based tool to facilitate implementation of incentive programs.	B2.3 NTA 1			X					Partial work done by Futurewise; website TBD	Tools for local governments and others to implement incentive-based strategies for armoring removal	Local governments and others have information necessary to implement programs; use of incentives leads to reduced shoreline armoring, improving shoreline ecosystem processes and benefiting habitat and species	Content development8 /13-2/14 Web toolkit Fall 2014		\$ 100,000				
4	Protect and Restore Through Incentives*	Fund local governments and others to initiate sustainable programs that lead to a reduction in shoreline armoring. Programs will be based on data on actual barriers and motivators of the shoreline landowners, and the incentives toolkit developed in R1. Programs could focus on forging armoring, removing armoring, using setbacks or softer techniques, or a combination of these. Priority may be given to projects that focus on mapped bluff-backed beaches or other high priority habitat.	B2.3, B2.1.1, D5.2, D5.3	X	X	X			X	X	Local governments, Tribes, NGOs	Local entities implement sustainable incentives programs.	Landowners will find it easier and more attractive to forgo hard armoring, remove armoring, or choose less impactful solutions, if armoring is necessary to protect important infrastructure.	Spring 2014-Summer 2016			\$ 1,500,000			
5	Deliver Marine Shoreline Design Guidelines to the Region	The recently published MSDG has long been awaited by the region and demand for training on how to apply the guidelines is high. This project will allow WDFW staff to build capacity for understanding the guidelines, assessing the various audiences and their training/information needs, and preparing and delivering (or contracting) actual trainings, and preparing audience specific information materials.	B1.1, B1.2, B1.3			X					WDFW	Continued understanding of alternatives to hard armoring and implications for Puget Sound recovery, increased public awareness and acknowledgement of issues related to shoreline armoring.	Contributions to Puget Sound recovery target of reduction in armoring, more capacity and understanding in the region of alternative approaches to shoreline protection, increased public understanding of the need to reduce hard armoring.	Sept 2014-Sept 2016			\$ 100,000			
6	Institutionalize Successful Stewardship and Incentive Strategies	Previous investments have funded projects that test incentive approaches based on the results of the Social Marketing Strategy to Reduce Puget Sound Shoreline Armoring, as well as projects that strive to improve implementation of, compliance with, and enforcement of regulatory programs. Based on early results and successful strategies, establish foundations for ongoing work that will benefit Puget Sound shoreline habitat by reducing development pressure.	B2.3, B2.1.1, D5.2, D5.3	X	X	X			X	X	TBD	Successful techniques and strategies institutionalized at the local and regional levels, increased public knowledge and engagement regarding hard armoring alternatives.	Measurable progress towards hard armoring removal in Puget Sound, enhanced overall health of Puget Sound through restored and protected ecosystem functions.	Sept 2015-Sept 2017				\$ 975,800		
	C. Strategic Capital Investments													\$ 2,895,938	\$ 2,183,262	\$ 1,287,304	\$ 1,813,900	\$ -		
1 & 2	High Priority Shoreline Habitat Acquisition	Protect nearshore habitat from threats of future development by supporting three property acquisitions along Puget Sound shorelines through the ESRP 2010 project list.	B2.1								Recreation and Conservation Office (RCO)	Nearshore properties are acquired	Long term protection of natural areas and processes	9/11-6/13	\$ 674,000					
1 & 2	High Priority Marine Habitat Restoration	Restore high priority marine and nearshore habitat by supporting four projects along Puget Sound shorelines through the ESRP 2010 project list.	B2.2								Recreation and Conservation Office (RCO)	Nearshore restoration projects	Habitat in nearshore areas is restored	9/11-6/13	\$ 684,000					

